

# SIG ACTIV

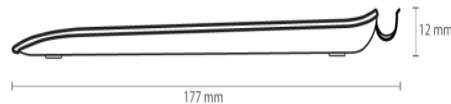
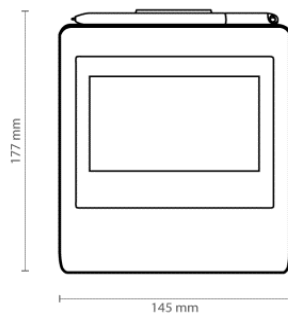
## Color ERT Signature Pad



**Sig Activ signature pad sets new standards in terms of design and functionality.** It features a **robust sensing surface** made of special tempered glass with Electromagnetic Resonance Technology (ERT). Its **high-resolution, 5" (12.6 cm) color screen** offers a clear display, ideal to share content that contributes to promoting your company's brand image. Finally, the included **special pen and sensor guarantee superior signature capture quality.**

### HIGHLIGHTS

- 5" (12,6 cm) full-color display
- Extremely robust, tempered sensor glass (8H) with ERT
- Self-sufficient slideshow with up to 10 pictures
- Secure mode to display the signature on the screen in real time
- Unique RSA-signature creation and RSA-encryption methods inside the pad
- Signature capturing with 500 Hz 4D samples and 2.048 pressure stages (x, y, z, t)
- Battery-free pen with changeable pen tip
- Delivery comes with completely assembled USB cable, pen and cord



### ARTICLE NUMBERS

- **ST-GERT-3-UEVL** : Sig Activ Signature Pad
- **ST-GERT-3-UEVL-MB1**: Bundle Sig Activ Signature Pad with signoSign/2 licence



## GENERAL FEATURES

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- Dimensions W. 145 x D. 177 x H. 12 mm / 5.70" x 6.96" x 0.47"
- Approx. weight 280 g / 0,61 lbs (incl. cable)
- Approx. cable length 2,7 m
- Power consumption:
  - Standby status: 18 mA (HID/WinUSB)
  - Running: 450 mA
- USB power supply
- 2 programmable LED color status
- Compatible Multigrip™ plate available
- Life expectancy approx. 30 million signatures (approx. 1,2 million signatures for the pen)
- 2-year warranty

## DISPLAY

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- Full color TFT (Thin Film Transistor) display
- 5" display size (12,6 cm)
- 16,7 million colors
- Configurable LED-backlight display (brightness: 300 cd/m<sup>2</sup>)
- 800 x 480 pixels resolution / 188 x 188 ppi
- 0,135 x 0,135 mm pixel size
- Maximum size of the displayed image: 800 x 1.440 pixels

## SENSOR

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- Electronic Resonance Technology (ERT)
- 108 x 64,8 mm active signing area
- 10.204 x 7.420 pixels / 2.400 x 2.910 ppi
- Linearity: +/- 0,4 mm
- Special sensor for pen input (no influence by hand touch)
- Extremely durable, hardened special (anti-glare) glass
- 2.048 pressure sensor unit
- External sampling rate: 500 Hz (samples per second), 4 axes (consisting of x, y coordinates, time and pressure)
- Internal sampling rate: 6.000 Hz (samples per second)
- Active and battery-less pen with changeable pen tips

## CONNECTION TYPES

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- USB-HID and WinUSB
- Chargeable VCOM-Port-Driver
- USB-Standby-Support, if the corresponding signal is given, the device switches off.

## DRIVER AND SOFTWARE

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- No special driver is required for a USB connection
- Compatible with optional signoSign/2 software (chargeable) for creating and signing secure PDF documents
- Free SDK available on request to integrate signature pad into your application
- Free Tools and Twain driver available on request
- Further chargeable software available on request

## SYSTEM ENVIRONMENT

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- Operating system:
  - From Windows 10 and later versions
  - From Windows Server 2016 and later versions (RDP, Citrix)
  - Linux
- Terminal Server and Citrix: compatible with Windows Remote Desktop and Citrix ICA

## SECURITY MECHANISMS

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- AES-256 encrypted data transfer between host and pad via RSA key exchange
- RSA signature and encryption in the pad
- Flash memory protected against data theft
- Real-time display of the signature without usable biometrics
- Creation and storage of certificates in the pad
- 4096 Bit key size
- Certificate Signing Request (CSR) can be generated in the pad and extracted
- The CSR can be signed by a root authority
- Supported Hash-algorithms:
  - SHA-1
  - SHA-256
  - SHA-512
- Transmission and Signing of a SHA-256 Hash via WinUSB:
  - 2048 Bit: 850 ms
  - 3072 Bit: 2.400 ms
  - 4096 Bit: 5.500 ms
- The casing can be glued optionally to prevent forceful break in
- Kensington NanoSaver-Lock (Rev. G or newer)

## MISCELLANEOUS

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- A standby slideshow (up to 10 images) is freely configurable
- Operating temperature: -10°C to +45°C
- Storage temperature: -25°C to +70°C
- Air humidity for operation/storage <= 90% non-condensing
- Air pressure for operation/storage > 700 hPa
- IP 52 degree of protection
- Certifications:
  - CE
  - FCC
  - RoHS-compliant according to EU-regulations

